

# MultiComp

## Aveiro Spring Meeting 2019

21<sup>st</sup>-22<sup>nd</sup> March

### Scientific Workshop/MC-WG Meeting CA15107

#### POSTER SESSIONS (Recommended Poster size is A0 - Vertical)

#### Thursday, March 21<sup>st</sup>

1. **Oren Regev** - Stronger Cement
2. **Juras Banys** - Dielectric relaxation in PDMS/TiO<sub>2</sub> nanocomposites
3. **Monika Wysocka-Zolopa** - Synthesis, morphology and electrochemical properties of polypyrrole nanoparticles doped with fullerene C<sub>60</sub>
4. **Mariana R. F. Silva** - The benefit of carbon nanostructures addition to titanium oxide for benzene photocatalytic degradation in air
5. **Maria Rybarczyk** - Hard carbon materials and their application as an anode in sodium-ion batteries
6. **Filip Marinkovic** - The influence of weight fraction of reduced graphene oxide on thermo-physical properties of poly(MMA/BA/HEMA) latex composites
7. **Jelena Jovanovic** - The effects of reaction conditions on the physico-chemical and morphological properties of reduced graphene-oxide – gelatin nanocomposite hydrogels
8. **Aleksandras Iljinis** - Formation of amorphous carbon films using Ar-C<sub>2</sub>H<sub>2</sub> and Ar-C<sub>2</sub>H<sub>2</sub>-H<sub>2</sub> plasma
9. **Ana Teresa Brandão** - Deep eutectic solvent/carbon materials interfacial studies for potential energy storage applications – Effect of carbon modification
10. **Mark Eaton** - Controlling Microstructure in Nanocomposites using Magnetic Fields
11. **Claudio Larosa** - Graphene flakes dispersed in polycarbonate: thin films composites and optical properties
12. **Uwe Popp** - Surface effects of sintered steel processed by material extrusion
13. **Roberto Di Capua** - Spectroscopic study on Eumelanin / Graphene-like hybrids by nuclear magnetic resonance and photoemission spectroscopy
14. **Karol Strutynski** - Electronic structure of Two-Dimensional Conjugated Microporous Polymers
15. **Juan P. Fernandez-Blazquez** - Effect of Graphene Nanoplatelets in the dynamic crystallization of PEEK
16. **Miroslav Huskić** - Effect of morphological structure on physical properties of SWCNT/PE nanocomposites
17. **Malamatenia Koklioti** - Photodegradation of RhB by functionalized MoS<sub>2</sub> sheets and core-shell Ag@Au nanoclusters
18. **Malamatenia Koklioti** - Pd@M (M=Ni, Cu, Co) nanoparticles / graphene ensembles toward the oxygen electroreduction
19. **Ricardo M. F. Fernandes** - Adsorption, Kinetics, and Bundle Size Distribution as Determining Factors in Surfactant-Assisted Dispersions of Carbon Nanotubes
20. **Bárbara Abreu** - Comparing the dispersibility of carbon nanotubes and graphene using amphiphilic molecules: similarities, differences and trends
21. **Eduardo Marques** - Gemini surfactants as efficient dispersants of multiwalled carbon nanotubes
22. **Mirtha A. O. Lourenço** - Tuning carbon nano onions for CO<sub>2</sub> capture

23. **Jorge Diogo Marques Laranjeira** - DFT investigations of 3D C60 polymers with ordered binary-alloy type structures
24. **Andreia F. Sousa** - Roots towards innovation in sustainable poly(2,5-furandicarboxylate)s polymeric materials
25. **Gagik Shmavonyan** - The Nano-patterning of Two-dimensional Atomic Structures by Focused Ion Beam Treatment
26. **Fábio Campos** - Pulmonary toxicity of inhaled graphene-based nanoplatelets
27. **Anastasios Stergiou** - Regioselective Synthesis of an Equatorialface Bisadduct of Azafullerene. Molecular manipulation towards efficient fullerene-based electron acceptors.
28. **Abdülkadir Sezai SARAC** - Polyacrylonitrile Based Stabilized Nanofibers and Carbon Nanofibers
29. **Ivan Brnardić** - Characterisation of nanocomposites based on Al-alloy and multiwall carbon nanotubes prepared by industrial High Pressure Die Casting method
30. **Matej Micusik** - Electrospinning of ethylene vinyl acetate/ multiwall carbon nanotubes fibers
31. **Juras Banys** - Synergy effects in ferroelectric polymeric composites
32. **Zélia Ribeiro Alves** - Zinc oxide – reduced graphene oxide nanocomposite dispersed in sepiolite to enhance alginate film properties
33. **Ivan Radović** - Wake potential in a graphene-sapphire-graphene structure
34. **Jonathan Nitschke** - Complex supramolecular systems via subcomponent self-assembly
35. **Michela Alfè** - Easy tools for microtexture nanoparticles tuning: exploring the flexibility of a spark generator system
36. **Irina Kuehne** - Surface attachment of Mn(III) SCO compound on few-layer graphene
37. **Jadranka Blazhevaska Gilev** - Doping of the graphene with Pt nanoparticles by pulsed laser deposition
38. **Manuela Meloni** - Controlled Assembly of Graphene Networks Using Polymer Latex Crystal Templates
39. **Evgeni Ivanov** - PLA-based multi-functional nanocomposites with improved properties for FDM 3D printing
40. **Aleksandra Ivanoska-Dacicj** - Biodegradable, elastic, electrospun polyurethane/graphene oxide scaffolds for soft tissue engineering application
41. **Amra Bratovcic** - Carbon nanomaterials in removing of organic compounds from water
42. **Tony D. Keene** Towards Graphite- and Graphene-supported Heterogeneous Ullmann Catalyst Composites
43. **Eduardo Ruiz-Hitzky** - Carbon-clay nanostructured materials: application in the catalytical hydrodechlorination of chlorophenols
44. **Istvan Furo** - Polymer/nanotube composites: insights from NMR studies
45. **Valentina Veselinović** - Mechanical properties of newly formed nanomodified PMMA/AuNPs denture base material
46. **Olga Karavai** - Graphene-coated textiles: a platform for wearable electronics
47. **Olena Okhay** - Freestanding electrodes based on reduced graphene oxide
48. **Fatima Z. Bouanis** - Functionnalized CNTFETs for gas sensing
49. **Fatima Z. Bouanis** - Graphene nanoplatelets coating for corrosion protection of aluminum substrate
50. **Tamás Szabó** - Ultrafine Dispersion of Graphene Oxide Nanoplatelets in a Magnetic Iron Oxide Matrix by Heterocoagulation
51. **Sónia Fraga** - Cyto- and genotoxicity of different classes of manufactured nanomaterials in alveolar epithelial cells
52. **Philippe Poulin** - Soft graphene nanocomposites for mechanical sensing and energy harvesting applications